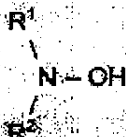


CLAIMS AMENDMENT

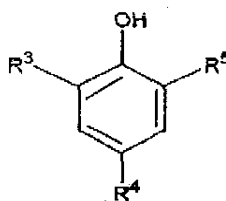
Please amend the Claims as follows:

1. (currently amended) A composition for stabilization of vinyl monomers; the composition including (a) at least one alkyl hydroxyl amine compound and at least one phenolic sulfide compound; ~~or (b) at least two alkyl hydroxyl amine compounds and at least one phenolic compound.~~
2. (canceled).
3. (original) The composition of claim 1 wherein amine components are 10-90 wt.% of the total composition.
4. (original) A process for the stabilization of dienes, vinyl aromatic monomers, or acrylic acid and its esters by the addition of the composition of claim 1.
5. (original) The composition of claim 1 wherein each of the alkylhydroxylamine compounds has the general formula:



where  $R^1$  and  $R^2$  are the same or different, and can be hydrogen, alkyl, hydroxyalkyl, alkoxyalkyl, and sulfonated alkyl groups, ~~cyclic or branched~~, but cannot both be H, a H and a methyl, or both be methyl.

6. (withdrawn) The composition of claim 1 wherein the phenolic compounds has the formula:

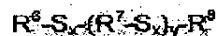


wherein  $R^3$  and  $R^5$  are the same or different, and can be hydrogen, alkyl, hydroxyl, and alkaryl groups; and  $R^4$  is  $C_1$ - $C_{20}$  alkyl, alkanolic acid ester, alkaryl, alkylamino, or amine groups.

7. (withdrawn) The composition of claim 1 wherein the stabilizer is comprised of diethylhydroxylamine (DEHA), dibutylhydroxylamine (DBHA), and 4-*tert*-butylcatechol (TBC).

8. (withdrawn) The composition of claim 7 comprised of 25-45% DEHA, 25-45% DBHA, and 20-40% TBC.

9. (currently amended) The composition of claim 1 wherein the phenolic sulfide compound has the general formula:

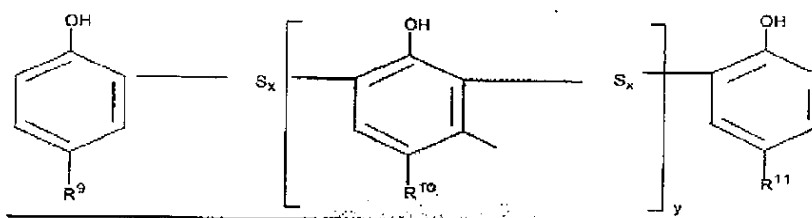


wherein each  $x$  is independently a number between 1-10,  $y$  is a number between 0-50 and  $R^6$ ,  $R^7$  and  $R^8$  are the same or different, and can be alkyl and aryl groups.

10. (canceled).

11. (currently amended) The composition of claim 1 wherein the sulfide is an alkyl phenol sulfide having the formula:





wherein each x is independently a number between 1-10 y is a number between 1-50, preferably 1-20 and  $R^9$ ,  $R^{10}$  and  $R^{11}$  are each 1,1-dimethylpropyl.

12. (original) The composition of claim 11 therein the sulfide is a an amylphenoldisulfide polymer.

13. (original) The composition of claim 1 used to stabilize butadiene, isoprene or styrene.